earlier, it is likely that Prof. Dall recognized the form after the publication of the nude name in Man. Conch., but before it was scantily clothed with a description in the October NAUTILUS.

Dall's first notice of the form referred merely to Binney's figures; but lately he has given an account of it which leaves nothing to be desired save an equally good notice of the soft anatomy.

NEW UNIOS.

BY BERLIN H. WRIGHT.

Unio Buxtoni sp. nov.

Shell very transverse or wide, subcylindrical, moderately and uniformly inflated, subsolid, bluntly pointed and attenuated behind, obliquely rounded in front and straight on the dorsum. Epidermis olive-black and obscurely rayed throughout. Growth lines obscure. Umbos depressed. Beaks pointed and very small, with two or three distant, nodose undulations. Umbonal ridge rounded or subangular. Beak cavities slight; cavity of valves ample. Lateral teeth straight, slender, thin and long, the inner one thicker and higher, and both extending to the cardinals, which are erect, short, with many curved ridgelets on the upper faces, double in the left and single in the right valves. Cicatrices slightly impressed but well defined, the anterior ones distinct, the smaller ones being crescent-shaped, which divides occasionally into *two* separate pits; posterior ones confluent and much elongated; dorsal ones well impressed and in the beak cavity. Pallial line distinct, at which the coruscations end. Nacre uniform and of a brilliant copper tint. Width $2\frac{1}{2}$ inches, length $\frac{3}{4}$ inch, diameter $\frac{5}{8}$ inch.

Habitat.—Lakelets of Marion Co., Florida.

Type in National Museum.

Remarks.—Affinity, *U. Waltoni* B.H. Wright, and *U. nasutulus* Lea. From the former it differs in being smaller, more solid, cylindrical, darker colored, more prominent umbonal ridge, not subemarginate at base, and in having a more prolonged dorsal line behind. Behind, and in size and structure, it reminds one of *U. nasutulus*, which never has an upturned keel in front as in our shell, and has a livid nacre.

We have great pleasure in naming this species for our good friend and naturalist, Mr. William W. Buxton, of Milo Centre, N. Y., whose company has so often enlivened our collecting excursions.

Unio Suttoni sp. nov.

Shell oblong, roughened by growth lines and solid, sides dilated almost to the extremities, and slightly constricted near the middle of the base. Base slightly convex or subemarginate, bluntly pointed behind and very abruptly rounded or subtruncate before and slightly arched above. Epidermis reddish or pale olive, with *very* obscure rays or rayless, slightly wrinkled on the posterior dorsal area or smooth. Beaks depressed and umbos flattened or slightly rounded. Umbonal ridge obtusely rounded and elevated from beak to base. Cavity of the shell ample and quite uniform; cavity of beaks slight. Nacre heavy, and varying from satin white to dark copper color, and slightly thinner behind. Cardinal teeth erect, somewhat compressed and bluntly notched. Lateral teeth long and slightly curved, rather slender and compressed. Width 2¼ inches, length 1⅛ inches, diameter ¾ inch.

Habitat.—Lake near Candler, Marion Co., Florida.

Type and forms in National Museum.

Remarks.—This is an exceedingly variable species like the type of the group to which it belongs, *U. Buckleyi* Lea, It may always be distinguished from that species by the greater fullness in the posterior portion, and has a slight constriction where that is usually enlarged. It may be distinguished from *U. Ferrissii* Marsh, by its greater and more uniform inflation, straighter base, more obtuse umbonal angle, and is in every way a more massive shell. Fifty specimens have been received from Mr. B. Sutton, of Candler, Marion Co., Florida, for whom we name the species.

ISAAC LEA DEPARTMENT.

[Conducted in the interest of the Isaac Lea Conchological Chapter of the Agassiz Association by its General Secretary, Mrs. M. Burton Williamson.]

After the General Secretary had forwarded the MS. for THE NAUTILUS for August, she received a letter from Mr. A. H. Gardner notifying her *in re* the vol. of Transactions. Mr. J. J. White, and Mr. M. Leon Walker have also reported. At this writing Aug. 10 the vol. is in Mass. The Secretary appreciates the notification when the book has been forwarded.

It is not too early to canvass for our next General Secretary. The present one would nominate Dr. W. S. Strode, Lewiston, Ill. for General Secretary for 1898. Dr. Strode has been a valued member for years.